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# Course: Financial Modeling

Code	City	Hotel	Start	End	Price	Language - Hours
756	Doha (Qatar)	Hotel Meeting Room	2024-12-29	2025-01-02	3450 €	En - 25

## Course Objectives:

- Use core financial modeling techniques
- Forecast investments, and calculate valuations of projects and companies in an effective manner
- Develop comprehensive financial models to support investments decisions
- Understand the different financial statement types and their key line items.
- Recognize the importance control accounts play in balancing the model.
- How to model revenue and working capital adjustments.
- Highlight the differences between the four different input methods.
- How to calculate tax components including tax expense, depreciation and losses.
- How to calculate Net Operating Cash flow using the Indirect Cash flow method.

## Course Content

### Financial Reporting and Corporate Governance

- Business objectives and shareholder wealth
- The users of financial information
- The role of accounting in financial reporting
- Key financial statements, their nature and purpose
- The conceptual framework of accounting and financial reporting
- Introduction to accounting standards
- The development of accounting standards
- International financial scandals
- The agency problem



- The role of audit
- The need for corporate governance
- Corporate governance in the UK, US, and in GCC countries
- The Balance Sheet
- Shareholders equity
- Current and non-current assets
- Current and non-current liabilities
- Working capital
- Preparing the balance sheet
- What does the balance sheet tell us?
- What are its limitations?
- Accounting terminology

## **Accounting Systems, Reporting and Decisions**

- Preparation of the Income Statement
- Calculation of profit
- HCategories of income and expenditure
- Valuation of current and non-current assets
- The format of the Income Statement and Balance Sheet
- The link between cash and profit
- The link between asset valuation and profit
- Inventory, receivables, payables, and cash
- The application of judgement
- The nature and purpose of working capital
- Management accounting and cost-volume-profit (CVP) analysis
- Break even analysis
- The impact of volume and sales changes on cost structures
- The limitations of break-even analysis

## **Cash Flow and Investment Appraisal**



- The purpose of the Cash Flow Statement, and its contents
- The preparation and presentation of the Cash Flow Statement
- Sources and uses of cash
- The link between the Cash Flow Statement, the Balance Sheet, and the Income Statement
- The Cash Flow Statement as a predictor of future performance
- Interest rates and the time value of money
- Discounting and compounding - present values and future values
- Annuities and perpetuities
- Investment appraisal: what is an investment?
- Appraisal techniques NPV and IRR
- Relevant cash flows and free cash flows
- The effect of inflation
- Dealing with risk and uncertainty
- Asset replacement and annual equivalent value
- Capital rationing
- Managing the investment project

## **Financing and Cost of Capital**

- Financing the business
- Financing principles
- Sources and types of finance, and the effect of gearing
- Defensive, neutral, aggressive financing policies
- Stock Market listing
- The Cost of Capital
- Cost of equity ( $K_e$ )
- Cost of debt ( $K_d$ )
- Weighted average cost of capital (WACC)
- Capital Asset Pricing Model (CAPM)
- The need for company valuations
- Valuation methods: Net assets; PE Ratio; Dividend growth model; Present value of



- future free cashflows; Capitalised earnings
- Shareholder value added
- Financial growth modelling: analysis of growth patterns
- Use of Excel for growth forecasting
- DCF valuation

## **Analysis and Interpretation of Financial Reports**

- The contents of the published annual report
- Recent developments in financial reporting
- Interpretation of financial statements
- Common size analysis
- Ratio analysis, including the Dupont system
- Profitability ratios
- Liquidity ratios
- Efficiency ratios
- Capital structure ratios
- Investment performance ratios
- Measuring performance – cash ratios or profit ratios?
- Value Added analysis
- Segmental analysis
- The shortcomings of financial statements, for interpretation purposes
- Predicting corporate failure
- Non-financial factors
- General financial management issues
- The effect of poor liquidity
- Post balance sheet events and contingencies
- The auditors report
- Failure-predicting ratios
- Multivariate failure predicting models – Altman Z score
- Integrated financial accounting case study



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• **Theoretical Lectures:**

- We deliver knowledge through advanced presentations such as PowerPoint and visual materials, including videos and short films.

• **Scientific Assessment:**

- We evaluate trainees skills before and after the course to ensure their progress.

• **Brainstorming and Interaction:**

- We encourage active participation through brainstorming sessions and applying concepts through role play.

• **Practical Cases:**

- We provide practical cases that align with the scientific content and the participants specific needs.

• **Examinations:**

- Tests are conducted at the end of the program to assess knowledge retention.

• **Educational Materials:**

- We provide both printed and digital scientific and practical materials to participants.

• **Attendance and Final Result Reports:**

- We prepare detailed attendance reports for participants and offer a comprehensive program evaluation.

• **Professionals and Experts:**

- The programs scientific content is prepared by the best professors and trainers in various fields.

• **Professional Completion Certificate:**

- Participants receive a professional completion certificate issued by the Scandinavian Academy for Training and Development in the Kingdom of Sweden, with the option for international authentication.

• **Program Timings:**

- Training programs are held from 10:00 AM to 2:00 PM and include coffee break sessions during lectures.